WHEREAS, M/s. IFB Agro Industries Ltd. (hereinafter referred to as the industry), located at Vill.- Durgapur, P.O.- Noorpur, P.S.- Ramnagar, Dist.- South 24 Parganas, Pin – 743 368 is a distillery with production capacity of 60 KLPD grain spirit and 50 KLPD rectified spirit from molasses. The industry has 2 nos. rice-husk and bio-gas fired boilers of capacity 20 TPH and 15 PTH respectively. The 20 TPH boiler is attached to bag filter with pneumatic ash handling system as air pollution control device (APCD) and connected to a stack of height 35m from G.L. The 15 TPH boiler (as standby arrangement) is equipped with bag filter and provided with a stack of height 38m from G.L. Both the boilers are also equipped with multi-cyclones as standby APCDs. The industry has an effluent treatment plant (ETP) consisting of both anaerobic and aerobic biological processes.

AND WHEREAS, the industry obtained CFE on 20/12/2012 for changing the raw material from molasses to grain for the 50 KLPD plant alongwith installation of 2X20 TPH boilers for the Co-generation Power Plant by replacing the existing three (3) boilers of 12 TPH, 15 TPH and 20 TPH, but CFO for the same is yet to be obtained.

AND WHEREAS, inspection of the industry was carried out by the officials of WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 13/12/2013 in connection with accidental spillage of ash from ash silo occurred on 12/12/2013 resulting in spreading of ash in the locality. The representative of the industry stated during inspection that accidental spillage of ash from ash silo occurred due to malfunctioning of the screw-valve of the pug mill of the silo. The industry submitted a letter on 14/12/2013 mentioning that they are in the process of replacement of the ash loading system with close automated equipment which is expected to be completed within next one month time.

AND WHEREAS, the storage area of rice-husk was observed to be partly covered. Boiler ash is stored in a silo (with pug mill) having storage capacity 100 MT. Fly ash is conveyed through the pneumatic ash handling system and the bottom ash by a conveyor. The industry has two grain silos and civil work for the installation of facilities related to raw material change was observed to be under progress. Due to such activity the ash conveying line from the 15 TPH standby boiler to the silo is disrupted. The area below the ash silo is enclosed with temporary polythene sheets. Deposition of fly ash was observed during inspection on the leaves of plants, dish antenna and tiled roof of the adjacent residences.

AND WHEREAS, the industry was found in operation during inspection. Considerable emission was noticed through the stack connected to 20 TPH boilers. Earlier the industry failed to meet the PM emission standard for the 20 TPH boiler during stack sampling on three consecutive occasions in the year 2013 which are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Stack attached to</th>
<th>Parameter</th>
<th>Concentration of PM (mg/Nm$^3$)</th>
<th>Permissible limit (mg/Nm$^3$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14/02/2013</td>
<td>20 TPH boiler</td>
<td>PM</td>
<td>945.42</td>
<td>150</td>
</tr>
<tr>
<td>20/06/2013</td>
<td></td>
<td></td>
<td>333.92</td>
<td></td>
</tr>
<tr>
<td>30/10/2013</td>
<td></td>
<td></td>
<td>599.15</td>
<td></td>
</tr>
</tbody>
</table>
AND WHEREAS, the Board issued show cause notices to the industry for failing to meet the PM emission standard on consecutive occasions. The industry replied to the show cause notices stating that stack sampling failures on 20/06/2013 and 30/10/2013 were occurred due to problem of control valve and leakages of bags of the bag filter. As per their submission, the damaged bags of the bag filter had been replaced during annual shut down of the plant. As informed by the industry representative, high emission through the stack occurred on 13/12/2013 due to failure of dome-valve of the pneumatic ash handling system for which the bag filter was being by-passed and the multi-cyclone was being used.

AND WHEREAS, the ‘Consent to Operate’ of the industry expired on 31/01/2014 and the industry has applied for renewal of the same. The ‘Hazardous Waste Authorization’ is valid up to 31/12/2014.

AND WHEREAS, the industry was called for a hearing on 20.02.14 at the head office of the board for the noncompliance of environmental norms as observed during inspection by the Board officials.

AND WHEREAS, the representatives of the industry appearing in the hearing agreed with the above mentioned observations of the Board. They submitted that they are in the process of installing 2X20 TPH boilers for the Co-generation Power Plant with individual ESP as APCD. These boilers are expected to be commissioned by end of March 2014. They stated that the existing 20 TPH boiler would be kept as stand by and the 15 TPH boiler would be dismantled after commissioning of the new 2X20 TPH boilers. The 12 TPH boiler has already been dismantled.

NOW, THEREFORE, considering the non-compliance as recorded above and submission of the industry during hearing, M/s. IFB Agro Industries Ltd. located at Vill.- Durgapur, P.O.- Noorpur, P.S.- Ramnagar, Dist.- South 24 Parganas, Pin – 743 368 is hereby directed as follows :-

1. **That**, the industry shall always operate with efficient functioning of the pollution control systems attached to the boilers in order to meet the PM emission standard.

2. **That**, the industry shall phase out existing boilers (20 TPH & 15 TPH) after commissioning of the new 2X20 TPH capacity boilers as per the condition laid down in the Consent to Establish (NOC) issued by Board vide No. NO102563 dated 20/12/2012.

3. **That**, the industry shall install closed automated ash loading system within March 2014.

4. **That**, the industry shall store the rice husk in covered area.

5. **That**, the industry shall execute a Bank Guarantee (proforma enclosed) of Rs. 10,00,000/- (Rupees ten lakh) only valid for twelve (12) months within fifteen [15] days from the date of issuance of this direction in favour of the West Bengal Pollution Control Board as an assurance to comply with the above direction.

The Environmental Engineer, Alipore Regional Office of the State Board is requested to keep strict vigil on the industry and if the industry is found to violate the direction of the Board, stricter regulatory order will be issued.

This direction is issued in exercise of the powers conferred under provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986 and Rules made thereunder after being approved by the Competent Authority.

By Order,

*Sd/-*

Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board